

UNCLASSIFIED

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SEQUENCE NR: CSB85081933 USER- [REDACTED] ID: 47891-89JUN29/17.22.38/C92

TITLE: BIOENERGETICS: MODERN REVERSAL OF AN ANCIENT CONCEPT  
AUTHOR: IONESCU-TIRGOVISTE, C  
DOC REF: STIINTA SI TEHNICA (STTCA), 84, NR 9, 16-17  
CLASSIF: UNCLASSIFIED  
RELEASE: NONE (XX)

TEXT: EXTRACT. DOCUMENT CONTAINS 2 DIAGRAMS.

IN ADDITION TO THE CLASSIC STATES OF MATTER (SOLID, LIQUID, GAS), IT IS NOW ASSUMED THAT 99 PERCENT OF THE KNOWN UNIVERSE IS IN A FOURTH STATE, PLASMA. THE FOUR FORMS ARE INTERCHANGEABLE, BEING IN EQUILIBRIUM WITH THE FIELD (ENERGY), ALSO A FORM OF EXISTENCE OF MATTER. EINSTEIN'S THEORY OF RELATIVITY ( $E=MC^2$ ) CONFIRMS A VERY OLD CONCEPT ATTRIBUTED TO LAO ZI, A FAMOUS PARSONAGE OF ANCIENT CHINA (6TH CENTURY BC), WHO STATED THAT THERE IS AN ACTION IN THE UNIVERSE A SINGLE LAW (DAO) WHICH MAY BE MANIFESTED IN NUMEROUS FORMS THAT CAN BE CHANGED ONE INTO ANOTHER. THE EIGHT TRIGRAMS ATTRIBUTED TO FU XI (ONE OF THE LEGENDARY EMPERORS OF ANCIENT CHINA SAID TO HAVE LIVED 3 MILLENNIA BEFORE OUR ERA) ARE SAID TO EXPRESS THE CONTINUOUS CHANGES OF THE UNIQUE PRINCIPLE, WHICH, AS WE WOULD SAY TODAY, ASSUMED THE FORMS OF SOLID, LIQUID, GAS, PLASMA AND FOUR INTERMEDIATE STATES. THE EIGHT TRIGRAMS ARE SYMMETRICAL AND EACH IS MADE UP OF INTERACTION OF TWO PRINCIPLES OPPOSED IN DIRECTION BUT COMPLEMENTARY AND IMPOSSIBLE TO SEPARATE: THE POSITIVE PRINCIPLE YANG AND THE NEGATIVE PRINCIPLE YIN. IF YANG IS SYMBOLIZED BY THE FIGURE 1, AND YIN BY 0, THE SEQUENCE OF THE TWO SYMBOLS AND THEIR COMBINATIONS ARE SIMILAR TO THE BINARY SYSTEM CURRENTLY USED IN THE FIELD OF COMPUTERS.